

MICHIGAN BOARD OF BOILER RULES
Okemos Office Conference Room 3
December 11, 2007
9:30 A.M.
*** A G E N D A ***

- | | | | |
|-----|---|---|---------|
| 1 | Call to order and determination of quorum | | J. Day |
| 2 | Announcements | | J. Day |
| 3 | Approval of September 11, 2007 minutes | | J. Day |
| 4 | New Business | | |
| 5. | Review of Chief Inspector's recommendations
for issuance of licenses for Repairers and Installers. | (Document BLR2007-25)
To be handed out at meeting. | R. Aben |
| 6. | Nuclear Activity Reports | (No Reports) | |
| 7. | Re-qualification of Section 23 | | |
| | a) NewPage Corp. | (Document BLR2007-23) | R. Aben |
| | b) Lafarge Corp. | (Document BLR2007-24) | R. Aben |
| 8. | Accident Statistics | (Document BLR2007-26) | R. Aben |
| 9. | Violations Issued | (Document BLR2007-27) | R. Aben |
| 10. | Legislative Update | (See Chief's Report) | R. Aben |
| 11. | Old Business | | |
| | a) Financial Report | (No Report) | |
| | b) Chief Inspector's Report | (Document BLR2007-22)
To be handed out at meeting. | R. Aben |
| | c) Presentation on NBIC restructure | | R. Aben |
| 12. | Public Comment | | |
| 13. | Next Meeting – March 12, 2008 | | |
| 14. | Adjournment | | |

MICHIGAN BOARD OF BOILER RULES
DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES
BUREAU OF CONSTRUCTION CODES
Conference Room #3
2501 Woodlake Circle
Okemos, Michigan 48864

MINUTES
September 11, 2007
9:30 a.m.

MEMBERS PRESENT

Mr. Joseph Day, Chair
Mr. Roger Jenkins, Secretary
Mr. Larry Black
Mr. Caraway
Mr. Dennis Rupert
Mr. Curt Songer
Mr. Neil Vierson

MEMBERS ABSENT

Mr. Richard Kirsch, Vice Chair
Mr. Jeffrey Appel
Mr. Jacobs
Mr. Frank Wiechert
Mr. Robert Aben, Chief, Boiler Division

MI DEPARTMENT OF CONSUMER & INDUSTRY PERSONNEL ATTENDING

Mr. William Vallance, Assistant Chief, Boiler Division
Ms. Lisa Rambo, Office Supervisor, Boiler Division

OTHERS IN ATTENDANCE

Kevin Jahn, B&V Mechanical.

1. **CALL TO ORDER AND DETERMINATION OF QUORUM**

The meeting was called to order at approximately 9:35 a.m. by Mr. Day. A quorum was determined present at that time.

2. **APPROVAL OF MINUTES**

A **MOTION** was made by Mr. Rupert, and supported by Mr. Jenkins to approve the minutes of the March 19, 2007 board meeting. **MOTION CARRIED.**

3. **ANNOUNCEMENTS.**

2008 Board of Boiler Rules meeting schedule.

4. **NEW BUSINESS – WILLIAM VALLANCE**

Woodcrest Condo Assoc. Request for exemption of CSD-1. Document BLR2007-14.

A **MOTION** was made by Mr. Vierson, and supported by Mr. Songer to deny CSD-1 exemption for Woodcrest Condo Assoc. Document BLR2007-14. **MOTION DENIED.**

David B. Garwood, suspension of boiler installers license 313590 . Document BLR2007-15.

Received and Filed.

Michigan Department of Corrections, Huron Valley Complex request for 24 month certificate. (Document BLR2007-16)

Recommending a motion to grant a certificate extension for Michigan Department of Corrections, Huron Valley Complex for boilers R322328, R322329, and R322330

A **MOTION** was made by Mr. Rupert, and supported by Mr. Jenkins to approve certificate extension for Michigan Department of Corrections, Huron Valley Complex for boilers R322328, R322329, and R322330, Document BLR2007-16. **MOTION CARRIED.**

Verso Paper, Quinnesec facility request for 24 month certificate. (Document BLR2007-17)

Recommending a motion to grant a certificate extension Verso Paper, for boilers R342394, requesting to extend the certificate until June, 14, 2008.

A **MOTION** was made by Mr. Vierson, and supported by Mr. Songer to approve certificate extension until June 14, 2008 for Verso Paper for boilers 42394, Document BLR2007-17. **MOTION CARRIED.**

5. **REVIEW OF CHIEF INSPECTOR'S RECOMMENDATIONS FOR ISSUANCE OF LICENSES FOR REPAIRERS AND INSTALLERS. – WILLIAM VALLANCE**

The board reviewed the June and September 2007 examinations results. Document BLR2007-20.

A **MOTION** was made by Mr. Vierson, and supported by Mr. Black to approve issuance of a license for the individuals that passed the December 2006 examination. Document BLR2007-20. **MOTION CARRIED.**

6. **NUCLEAR ACTIVITY REPORTS – WILLIAM VALLANCE**

No Report

7. **RE-QUALIFICATION OF SECTION 23 – WILLIAM VALLANCE**

No Applications

8. **ACCIDENT STATISTICS – WILLIAM VALLANCE**

(Document BLR2007-19).

Received and Filed.

9. **VIOLATIONS ISSUED – WILLIAM VALLANCE**

The board reviewed the file for Document BLR2007-18.

Received and Filed.

10. **LEGISLATIVE UPDATE**

See Chief's Report

11. **OLD BUSINESS - WILLIAM VALLANCE**

- a. Financial Report – **No Report**
- b. Chief Inspector's Report – Robert Aben. Document BLR2007-21.
 - Warren Truck Assembly Plant (WTAP)
 - Boiler Fee Increases
 - Boiler Failure Aboard Ship
 - Senate Bill SB -- 651
 - Bulletin Articles

12. **PUBLIC COMMENT**

No Report

13. **NEXT MEETING – DECEMBER 11, 2007 CONFERENCE ROOM #3.**

14. **ADJOURNMENT**

A **MOTION** was made at 10:45 a.m. by Mr. Vierson, and supported by Mr. Caraway adjourn the meeting. **MOTION CARRIED.**

Approved: _____ Date _____
Chair



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

KEITH W. COOLEY
DIRECTOR

(Document BLR2007-23)

To: Members, Board of Boiler Rules

From: Robert J. Aben, Jr.

Subject: NewPage Corp. Request for Section 23 Exemption

A review was conducted on October 11, 2007 for the purpose of determining NewPage Corp. compliance with P.A. 290 in conduct of repairs to non boiler external piping at its facilities located at 7100 County 426, Escanaba, Michigan. Assistant Chief Inspector William Vallance conducted the review in the presence of Mr. William Mayes in accordance with the attached Qualification Review Report.

Recommendation:

I am recommending a motion by the Board of Boiler Rules that NewPage Corp Section 23 exemption status for repairs to non boiler external piping at its Escanaba facility be granted for a period of three years to expire on October 11, 2010 or continue until the next review can be conducted.

Any violation of the boiler law and rules during this period shall be cause for suspension of this exemption by the Chief Inspector. Re-instatement of the exemption may only be granted by the Board of Boiler Rules.

Providing for Michigan's Safety in the Built Environment

BUREAU OF CONSTRUCTION CODES
P O BOX 30254 • LANSING, MICHIGAN 48909
Telephone (517) 241-9334 • Fax (517) 241-6301
www.michigan.gov

MICHIGAN BOARD OF BOILER RULES

P.O. Box 30254
Lansing, MI 48909
(517) 241-9334

UTILITY/INDUSTRIAL PLANT REPAIR/INSTALLATION
QUALIFICATION REVIEW REPORT
(Re: Boiler Act Of 1965, Sec. 23)

Date Review Conducted: 10-11-07

Application type: NEW _____ RENEWAL X

1. Organization's Name and Business Address.

New Page 3 CORPORATION
Name

7100 COUNTY 426 ESCANABA MI 49829
Street, City, State, Zip

PAPER MILL
Principal Business

2. Identification of person responsible for compliance with
State boiler law and rules.

Name WILLIAM MAYES Title Reliability/Utilities Eng

Mailing Address SAME AS ABOVE

City _____ State _____ Zip _____

(906) 233 2355
Phone Number

3. Authorized Inspection Agency. HSB

4. ASME Symbol Stamp(s) Held: (Symbol, Number, and Expiration Date)

NONE

5. National Board Symbol Stamp(s): (Symbol, Number, and Expiration Date)

NONE

6. Is the boilers and piping owned and operated by the applicant.

Yes X No _____

7. Type of code items to be repaired/installed.

Section I Boilers. _____

Section IV Boilers. _____

Boiler external piping _____

Non Boiler external piping X

Safety Valves:

Section I _____ Section IV _____ Section VIII _____

8. Where are repairs done?

Shop X Field _____ Shop and Field _____

9. Does the organization have the latest edition of the applicable Codes and Addenda and Boiler Law and Rules?

Section. I X Section. IV _____ Section. VIII _____

Section IX X B31.1 X Michigan Boiler Law and Rules X

10. Does the organization have a Quality Assurance Manual or Procedures for the work anticipated?

Yes X No _____

11. Does the organization have and maintain a maintenance record for each exempt boiler?

Yes X No _____

Applicant has committed to prepare and submit a logbook for Boiler Divisions comment

12. How is Heat Treatment capability provided?

In-house _____ Procedures Available _____ Sub-contracted X

13. How is Non-destructive examination capability provided?

In-house X Procedures Available _____ Sub-contracted X

VT

ALL OTHER

14. Does the QA Manual or Procedures provide for pressure tests?

Yes ✓ Procedures Available in service No _____

15. What welding processes are used?

SMAW ✓ SAW _____ GMAW ✓ GTAW ✓ FCAW _____

16. Are appropriate welding procedures available and qualified to ASME Code Section IX?

Yes ✓ No _____

17. Is evidence available that welders are qualified to procedures?

Yes ✓ No _____

17a. Is a Continuity Log maintained? Yes ✓ No _____

18. Are welders regular employees? Yes ✓ No _____

19. Does the organization have procedures to control the procurement and handling of code materials?

Yes ✓ No _____

20. Should this organization be granted a Section 23 exemption?

Yes ✓ No _____

Will Vallance 10-11-07
Inspector Signature Date

Chief Inspector Date

Chair., Boiler Board Date



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

KEITH W. COOLEY
DIRECTOR

**BOILER DIVISION
ATTENDANCE SHEET**

Review ☐ Audit ☐ Other ☐

Company: New Page Corporation
Address: 7100 County 426 M-5 Rd
Escanaba MI 49829
Date: 10-11-07

Print Name	Print Title	Signature	Organization
William Vallance	ASST. Chief Boiler Div.	William Vallance	STATE OF MICHIGAN
William Mayer	Reliability Engineer	William Mayer	New Page
Tony Dotson	Reliability Manager	Tony Dotson	New Page

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JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

KEITH W. COOLEY
DIRECTOR

(Document BLR2007-24)

To: Members, Board of Boiler Rules

From: Robert J. Aben, Jr.

Subject: Lafarge Corp. Request for Section 23 Exemption

A review was conducted on October 17, 2007 for the purpose of determining Lafarge Corp. compliance with P.A. 290 in conduct of repairs to boiler, boiler external piping, and boiler non external piping at its facilities located at 1435 Ford Ave., Alpena, Michigan. Deputy Inspector Jerry Keson conducted the review in the presence of Mr. Jim Forest in accordance with the attached Qualification Review Report.

Recommendation:

I am recommending a motion by the Board of Boiler Rules that Lafarge Corp Section 23 exemption status for repairs to boiler, boiler external piping, and boiler non external piping at its Alpena facility be granted for a period of three years to expire on October 17, 2010 or continue until the next review can be conducted.

Any violation of the boiler law and rules during this period shall be cause for suspension of this exemption by the Chief Inspector. Re-instatement of the exemption may only be granted by the Board of Boiler Rules.

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MICHIGAN BOARD OF BOILER RULES

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UTILITY/INDUSTRIAL PLANT REPAIR/INSTALLATION
QUALIFICATION REVIEW REPORT
(Re: Boiler Act Of 1965, Sec. 23)

Date Review Conducted: 10-17-07

Application type: NEW _____ RENEWAL X

1. Organization's Name and Business Address.

LA FARGE CORPORATION Cement Group Alpena Plant
Name

1435 FORD AVE. ALPENA, MICH 49707
Street, City, State, Zip

CEMENT PLANT.
Principal Business

2. Identification of person responsible for compliance with
State boiler law and rules.

Name JIM FOREST Title MAINTENANCE INSPECTOR

Mailing Address 1435 FORD AVE

ALPENA MICHIGAN 49707
City State Zip

(989) 358-3241
Phone Number

3. Authorized Inspection Agency HSB CT Insurance Company HSB IFC

4. ASME Symbol Stamp(s) Held: (Symbol, Number, and Expiration Date)

NONE

5. National Board Symbol Stamp(s): (Symbol, Number, and Expiration Date)

NONE

6. Are the boilers and piping owned and operated by the applicant.

Yes X No _____

7. Type of code items to be repaired/installed.

Section I Boilers. X

Section IV Boilers. _____

Boiler external piping. X

Non Boiler external piping. X

Safety Valves:

Section I _____ Section IV _____ Section VIII _____

8. Where are repairs done?

Shop _____ Field _____ Shop and Field X

9. Does the organization have the latest edition of the applicable Codes and Addenda and Boiler Law and Rules?

Section. I yes Section. IV _____ Section. VIII _____ Section IX yes.

B31.1 yes Michigan Boiler Law and Rules yes NBIC yes Other Section I Section II
Section VII - see I, II B31.1, & II VII 2007 edition

10. Does the organization have a Quality Assurance Manual or Procedures for the work anticipated?

Yes X No _____

11. Does the organization have and maintain a maintenance record for each exempt boiler?

Yes X No _____

Applicant has committed to prepare and submit a logbook for Boiler Divisions comment:

12. How is Heat Treatment capability provided?

In-house _____ Procedures Available _____ Sub-contracted X when needed

13. How is Non-destructive examination capability provided?

In-house X Procedures Available _____ Sub-contracted X when needed

14. Does the QA Manual or Procedures provide for pressure tests?

Yes X Procedures Available _____ No _____

15. What welding processes are used?

SMAW X SAW _____ GMAW _____ GTAW _____ FCAW _____

16. Are appropriate welding procedures available and qualified to ASME Code Section IX?

Yes X No _____

17. Is evidence available that welders are qualified to procedures?

Yes X No _____

17a. Is a Continuity Log maintained? Yes X No _____

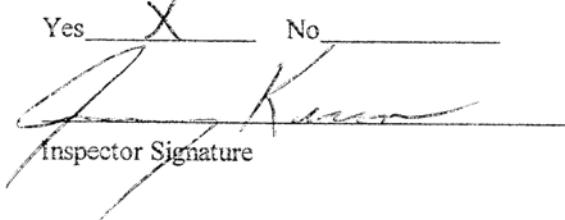
18. Are welders regular employees? Yes X No _____

19. Does the organization have procedures to control the procurement and handling of code materials?

Yes X No _____

20. Should this organization be granted a Section 23 exemption?

Yes X No _____


Inspector Signature

10-17-07
Date

Chief Inspector

Date

Chair., Boiler Board

Date



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

KEITH W. COOLEY
DIRECTOR

**BOILER DIVISION
ATTENDANCE SHEET**

Review ☐ Audit ☒ Other ☐

Company: LA FARGE Corporation Cement Group / Alcona Plant

Address: 1435 FORD AVE. ALCONA, MICH 49707

Date: 10-17-07

Print Name	Print Title	Signature	Organization
JOEY KESON	Deputy STATE Inspector		State of Michigan
DAVE MARKOWSKI	MAINTENANCE PLANNER		LA FARGE Corp
JIM FORREST	MAINTENANCE Inspector		LA FARGE Corp
CHRIS ANSOLCE	AI		HSB CT

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ACCIDENT REPORT DECEMBER 2007 BOARD MEETING

BOILER LOCATION	BOILER NUMBER	TYPE OF BOILER	PRESSURE AND USE	TYPE OF FAILURE	CAUSE OF FAILURE	DAMAGE TO BOILER	NUMBER INJURED	DATE OF FAILURE	DATE OF INSPECTION	INSURANCE OR STATE
Christ's Temple Church Day care buidng 412 E Sherman Blvd Muskegon MI 49444	R351252	CI	15 psi Steam Heating	Dry Fire	LWCO	Crack and leaking sections	0	Unknown	10/24/2007	State

Accident Report - Boiler or Pressure Vessel

Michigan Department of Labor & Economic Growth

Bureau of Construction Codes & Fire Safety

Boiler Division

P.O. Box 30254, Lansing, MI 48909

(517) 241-9334

ACCIDENT DATE

- ☐ Boiler Explosion
☐ Furnace Explosion
☒ Dry Fired
☐ Other (explain) _____

Authority: 1965 PA 290
Completion: Mandatory
Penalty: None

The Department of Labor & Economic Growth will not discriminate against any individual or group because of race, sex, religion, age, national origin, color, marital status, disability, or political belief. If you need help with reading, writing, hearing, etc., under the Americans with Disabilities Act, you may make your needs known to this agency.

Mail original copy of accident report to the address listed above.

Boiler information

BOILER LOCATION CHRIST'S Temple Church, Daycare building					
ADDRESS 412 E. Sherman Blvd		CITY Muskegon		STATE MI	ZIP CODE 49444
OWNER NAME Same					
ADDRESS _____		CITY _____		STATE _____	ZIP CODE _____
BOILER CONSTRUCTION <input type="checkbox"/> WELD <input type="checkbox"/> RIVET <input type="checkbox"/> LAP <input checked="" type="checkbox"/> MECHANICAL ASSEMBLY			BOILER TYPE <input type="checkbox"/> FT <input type="checkbox"/> WT <input checked="" type="checkbox"/> CAST <input type="checkbox"/> OTHER _____		
BOILER MANUFACTURER Weil McLain					
STATE NUMBER M 351252	MFG. SERIAL NUMBER M EGH115	NATIONAL BOARD NUMBER _____		MAWP 15 PSI	YEAR BUILT 1988
SAFETY / RELIEF VALVE INSTALLED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		SET PRESSURE 15		ASME / NB STAMPED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CAPACITY 446					
BOILER USED FOR <input type="checkbox"/> POWER <input type="checkbox"/> PROCESS <input checked="" type="checkbox"/> STEAM HEATING <input type="checkbox"/> HWH <input type="checkbox"/> HWS <input type="checkbox"/> OTHER (Specify) _____					
CSD-1 TESTING <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A		CSD-1 TEST LAST PERFORMED _____		BY WHOM _____	
BTU / HR INPUT 500,000					
IS CERTIFICATE CURRENT <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				EXPIRATION DATE _____	
DOES JURISDICTION REQUIRE LICENSED OPERATOR <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				WERE OPERATORS LICENSED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
TYPE OF BUSINESS WHERE USED Day care		NUMBER KILLED 0		NUMBER INJURED 0	

Personal Injury

NAME OF PERSON INJURED	NAME OF PERSON INJURED
ADDRESS OF PERSON INJURED	ADDRESS OF PERSON INJURED
EXTENT OF INJURY	EXTENT OF INJURY
HOSPITALIZED <input type="checkbox"/> YES <input type="checkbox"/> NO	HOSPITALIZED <input type="checkbox"/> YES <input type="checkbox"/> NO

Witnesses interviewed

NAME	ADDRESS	CITY	STATE	ZIP CODE
NAME	ADDRESS	CITY	STATE	ZIP CODE
NAME	ADDRESS	CITY	STATE	ZIP CODE

Accident

PROPERTY DAMAGE (Be specific. Include dollar amounts. Attach a separate page if necessary)

Quoted price approved to replace the boiler is \$7,800⁰⁰. This includes removing the old system.

TYPE OF ACCIDENT (Explosion, Dry Fired, Rupture, etc.)

Dry fire

DESCRIBE THE CAUSE AND EVENTS WHICH PRECEDED THE ACCIDENT. DESCRIBE IN DETAIL THE EXTENT AND PARTS DAMAGED

Common water column connection to the two float type low water fuel cutoffs was found plugged. Sections had signs of overheating with two leaks.

DAMAGE TO BOILER

Cracked and leaking sections.

CAN BOILER BE REPAIRED

☐ YES ☐ NO
REPAIR PERMIT REQUIRED

☐ YES ☐ NO

WERE DAMAGED PARTS EXAMINED

☒ YES ☐ NO IF NO, WHY

BASED ON YOUR INVESTIGATION, PLEASE PROVIDE YOUR OPINION OF THE CAUSE OF ACCIDENT

Lack of maintenance to the Low water fuel cutoffs.

INSPECTOR'S RECOMMENDATION

Frequent scheduled maintenance and testing of the controls is required.

WHAT HAS BEEN DONE OR WILL BE DONE TO PREVENT RECURRENCE OF LIKE OR SIMILAR FAILURES

New CSD-1 approved system will be installed and customer will be required to perform and log maintenance per manufacturers instructions.

Other Investigative Agencies

WERE OTHER INVESTIGATIVE AGENCIES INTERVIEWED		IS A REPORT AVAILABLE		WERE PHOTOGRAPHS TAKEN		ARE PHOTOGRAPHS ATTACHED TO REPORT	
<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
NAME		ADDRESS		CITY		STATE	ZIP CODE
NAME		ADDRESS		CITY		STATE	ZIP CODE

Inspector

NAME OF INSPECTOR James Hufnagel	LICENSE NUMBER 1072-12999	DATE OF REPORT 10-24-07
--	-------------------------------------	-----------------------------------

Boiler: R351252 Address: 412 E SHERMAN-MUSKEGON HGTS 61
Status: ACTIVE OWNER: CHRISTS TEMPLE
Date: 01/01/1988

Back Stop

First Inspection Information

First Inspection Date: / / Date Installed: 01/01/1988
Boiler Use: STEAM Steam Heating Boiler
Other #: EGH115 Code: 2 (1=NB, 2=MFG)
Pressure Allowed: 15 S V Pressure: 15
Insurer Number: 8082 STATE OF MICHIGAN
Inspector Number: 301064 MICHAEL BATES NB Commission Number 0
Owner Name: CHRISTS TEMPLE
Business Nature: SCHOOL
Specific Location: SCHOOL County: 61 MUSKEGON
Construction Type: (1=Wld, 2=Rvt, 3=Lap, 4=Mech) Boiler Type: 3 (1=FT, 2=WT, 3=Cl, 4=Other)
Manufacturer: WEIL MCLAIN Year Built: 1988
Fuel Type: GAS Method of Firing: AUTO Pressure Gage(Y/N): Y
Low Water Cutoff: FLOATS With Manhole(Y/N): N
Power Boiler Surface: 0 Heat Surface: (1=Stamped, 2=Computed)
MRSVC Based On: 1 (1=Stamp, 2=BTU, 3=Grate Area) LBS/BTU: L Total LBS/BTU: L
Max Design Steaming Cap: 400 MRSVC: 400 Total Cap SVC: 446

Boiler: R351252 Address: 412 E SHERMAN-MUSKEGON HGTS 61
Status: ACTIVE OWNER: CHRISTS TEMPLE
Date: 01/01/1988

Back Stop

Inspection Information

Current Inspection Information (Invoice/Certificate O=Own, L=Loc)

Date: 05/06/2005 Mail Code: 1 (1=O/L, 2=L/O, 3=O/O, 4=L/L)
Batch #: R05165 Boiler IAB: (I or Blank) Class: MC-1 Boiler Status: ACTIVE
Multiple: N Issue Invoice: Y Inspection Cycle: 2 Bill Ins
Rule 27 - Test Procedure(Y/N/NA): Y
Int/Ext: 2 (1=Internal, 2=External) Next Inspection Due: 03/04/2007
LBS/BTU: L (L=LBS, B=BTU) Rule 507 Inspection: / /
Total Cap SVC: 0 Next Rule 507 Due: 2018
S V Pressure: 15
Inspector #: 300897 RICHARD WALTMAN Pressure Allowed: 15
NB Commission Number: 0 Max Design Steaming Cap: 400
Insurance Co #: 1 STATE OF MICHIGAN MRSVC: 400
Invoice#: BLR0565204 BTU/HR Input: 500,000

Inspection Information

Date	Rule 27	MC	IAB	I/E	L/B	Total Cap SVC	Insp #	Ins Co #	Invoice #	Batch #
01/14/2003	Y	1		2	L	446	301064	8082	BLR0492504	R3031B
04/20/2001	Y	1		2	L	446	301064	1	BLR0432306	1130GA
04/13/1999		1		1	L	446	301061	1		9180GC
/ /		0		0		0	0	0		
/ /		0		0		0	0	0		



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

KEITH W COOLEY
DIRECTOR

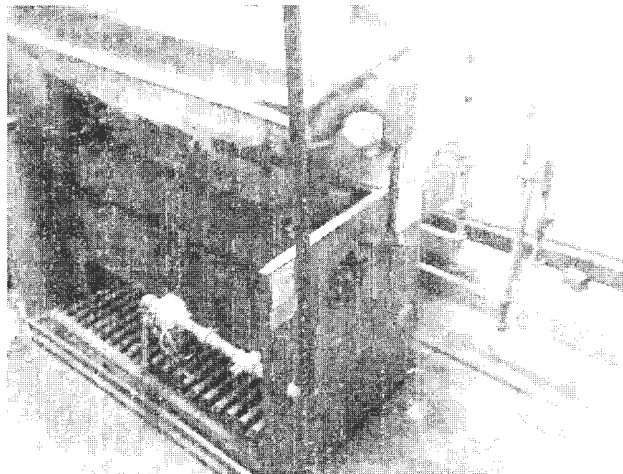
10/22/2007

DLEG/ BCCFS
Boiler Division
Attention: Robert Aben; Bill Vallance

Reference: Christ's Temple Church, Day Care Building
412 E. Sherman Blvd.
Muskegon, Michigan 49444
Michigan Boiler #R351252, Mfg Weil McLain, installed new 1988
Cast Iron sectional boiler, Capacity 446 PPH at 15 PSI

Dear Sirs,

The following is a detailed report of the accident investigation conducted 10/17/2007 through 10/22/2007.
This boiler is a low pressure steam boiler used for steam heating.



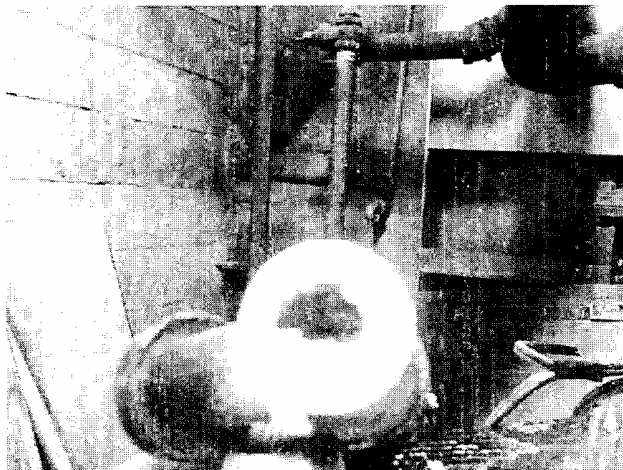
The boiler was installed in 1988. The system was not properly maintained but at some time maintenance was done to perform Low Water Fuel Cutoff blow downs and bottom blow downs into a bucket which was found under the Low Water Cutoff drain valve.

Providing for Michigan's Safety in the Built Environment

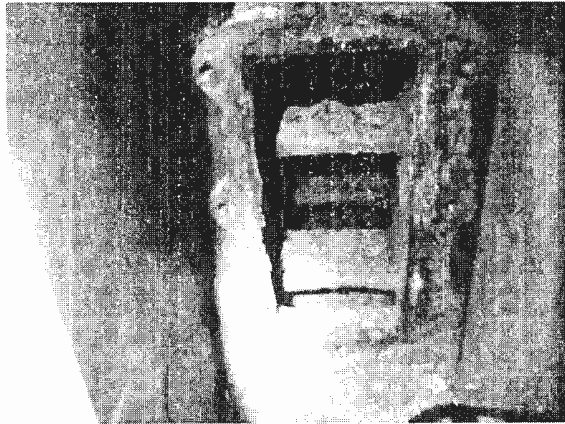
BUREAU OF CONSTRUCTION CODES
BOILER DIVISION
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/dleg



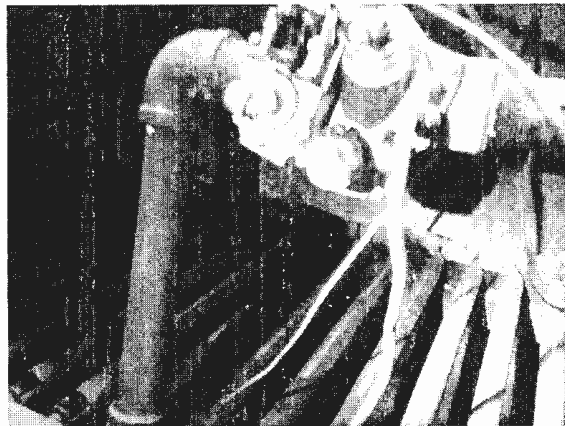
There were no CSD-1 reports or maintenance reports available. There are two Low Water Fuel Cutoffs and both were piped into a common water column connection. The piping was disassembled and it was found that the water connection was plugged.



The inspection plate was removed to inspect the inside of the sections and was found relatively clean.



The sections were leaking in two places on the bottom. The gas valve plastic shut off knob was melted from the heat.



It is my opinion that because the water column to the two Low water cutoffs was plugged, the boiler was dry fired and caused damage. The last inspection per the attached sticker was 12/28/2004.

It is unfortunate that the boiler was damaged from being dry fired as it was not full of scale and may have had years of service life left.

If you need any other information in this report please let me know.

Thank You,

James Hufnagel, Commission #12999
Deputy Inspector
State of Michigan



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LABOR & ECONOMIC GROWTH
LANSING

KEITH W. COOLEY
DIRECTOR

(Document BLR2007-27)

November 20, 2007

To: Members, Board of Boiler Rules

From: Robert Aben

Subject: Violations Issued

Attached you will find the violation reports from the National Board. The report contains violations issued in Michigan for the period of July 1 thru September 30, 2007, and the third quarter numbers for all reporting jurisdictions and the annual report. The third quarter report is based on 100 reports from 45 jurisdictions consisting of 191,037 inspections with 15,232 violations. This is an 8% violation rate.

The category showing the highest number of violations is Boiler Controls, reporting 4,598. The second highest is Boiler Piping and Other Systems, reporting 3,002 violations.

Providing for Michigan's Safety in the Built Environment

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THE
NATIONAL
BOARD
OF BOILER AND
PRESSURE VESSEL
INSPECTORS
DONALD E. TANNER,
EXECUTIVE DIRECTOR

November 8, 2007

Dear Member:

I am pleased to provide the "Violation Findings Third Quarter Report" for the year 2007. This report, based on 100 reports from 45 jurisdictions, consists of 191,037 inspections with 15,232 violations. This is an 8% violation rate.

The category showing the highest number of violations is Boiler Controls, reporting 4,598. The second highest is Boiler Piping and Other Systems, reporting 3,002 violations.

For jurisdictions that have reported violation findings for 2007, a second report containing your data is included.

Should you have any questions regarding these reports, please contact Jeanne Bock by phone at 614.431.3233, by fax at 614.847.1828, or by e-mail at jbock@nationalboard.org.

Thank you for your participation in this program and for making it a success!

Sincerely,

Donald E. Tanner
Executive Director

DET/jb

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Report of Violation Findings

Third Quarter Report
2007

Category	Number	
1. Boiler Controls		
1.1 Low Water Cutoff/Flow Sensing Devices	1137	
1.2 Pressure Gages	440	
1.3 Water Gage Glass	287	
1.4 Pressure Controls	201	
1.5 Temperature Controls	1146	
1.6 Undefined Controls Violations	<u>1387</u>	
Total Boiler Controls Violations:	4598	Percent of Total Violations: 30%
2. Boiler Piping and Other Systems		
2.1 Main Steam System	86	
2.2 Bottom Blow/Drain Systems	217	
2.3 Feedwater, Condensate/Return Systems	589	
2.4 Expansion Tanks/Heating System Piping	315	
2.5 Casing, Stack Breaching and Flue	246	
2.6 Burners and Fuel Supply Systems	1102	
2.7 Undefined Boiler Piping/Other Systems	<u>447</u>	
Total Boiler/Other Violations:	3002	Percent of Total Violations: 20%
3. Boiler Mfg Data Report/Nameplate		
3.1 No Data Report	148	
3.2 Nameplate Stamping Incorrect/Missing	95	
3.3 Undefined MDR/Nameplate	<u>37</u>	
Total MDR Violations:	280	Percent of Total Violations: 2%
4. Boiler Components		
4.1 Fireside Water Leaks	400	
4.2 Baffles and/or Refractory	145	
4.3 Furnace and Fireside	107	
4.4 Waterside	342	
4.5 Superheaters	4	
4.6 Economizers	11	
4.7 Installation	183	
4.8 Undefined Boilers	<u>986</u>	
Total Boiler Violations:	2178	Percent of Total Violations: 14%

Category	Number		
5. Pressure Relieving Devices For Boilers			
5.1 Installation	1244		
5.2 Operation	844		
5.3 Undefined Boilers PRDValve	<u>274</u>		
Total PRD Violations:	2362	Percent of Total Violations:	16%

6. Pressure Vessels			
6.1 Installation	1409		
6.2 Material Condition	117		
6.3 PV Mfg Data Report/Nameplate	110		
6.4 PV Pressure Relieving Devices	657		
6.5 Undefined Pressure Vessel	<u>264</u>		
Total Pressure Vessel Violations:	2557	Percent of Total Violations:	17%

7. Repairs and Alterations			
7.1 Unqualified Organization	23		
7.2 Unauthorized Repair	27		
7.3 Code Deficiencies	44		
7.4 Undefined Repairs and Alterations	<u>161</u>		
Total Repairs and Alterations	255	Percent of Total Violations:	2%

8. Summary:

Number of Jurisdictional Reports This Period:	100
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	<u>Boilers</u>	<u>PV's</u>	<u>Total</u>
Total Number of Inspections:	121,040	69,997	191,037
Total Number of Violations:	12,675	2,557	15,232
Percent of Violations per # of Inspections:	10%	4%	8%

Report of Violation Findings

Michigan

July 1 thru September 30, 2007

Category	Number		
1. Boiler Controls			
1.1 Low Water Cutoff/Flow Sensing Devices	24		
1.2 Pressure Gages	3		
1.3 Water Gage Glass	1		
1.4 Pressure Controls	3		
1.5 Temperature Controls	23		
1.6 Undefined Controls Violations	<u>42</u>		
Total Boiler Controls Violations:	96	Percent of Total Violations:	24%
2. Boiler Piping and Other Systems			
2.1 Main Steam System	2		
2.2 Bottom Blow/Drain Systems	23		
2.3 Feedwater, Condensate/Return Systems	1		
2.4 Expansion Tanks/Heating System Piping	13		
2.5 Casing, Stack Breaching and Flue	0		
2.6 Burners and Fuel Supply Systems	131		
2.7 Undefined Boiler Piping/Other Systems	<u>0</u>		
Total Boiler/Other Violations:	170	Percent of Total Violations:	43%
3. Boiler Mfg Data Report/Nameplate			
3.1 No Data Report	0		
3.2 Nameplate Stamping Incorrect/Missing	1		
3.3 Undefined MDR/Nameplate	<u>0</u>		
Total MDR Violations:	1	Percent of Total Violations:	0%
4. Boiler Components			
4.1 Fireside Water Leaks	12		
4.2 Baffles and/or Refractory	0		
4.3 Furnace and Fireside	1		
4.4 Waterside	7		
4.5 Superheaters	0		
4.6 Economizers	0		
4.7 Installation	39		
4.8 Undefined Boilers	<u>5</u>		
Total Boiler Violations:	64	Percent of Total Violations:	16%

Report of Violation Findings

Michigan
July 1 thru September 30, 2007

Category	Number		
5. Pressure Relieving Devices For Boilers			
5.1 Installation	38		
5.2 Operation	22		
5.3 Undefined Boilers PRD Valve	4		
Total PRD Violations:	64	Percent of Total Violations:	16%
6. Pressure Vessels			
6.1 Installation	0		
6.2 Material Condition	0		
6.3 PV Mfg Data Report/Nameplate	0		
6.4 PV Pressure Relieving Devices	0		
6.5 Undefined Pressure Vessel	0		
Total Pressure Vessel Violations:	0	Percent of Total Violations:	0%
7. Repairs and Alterations			
7.1 Unqualified Organization	0		
7.2 Unauthorized Repair	1		
7.3 Code Deficiencies	0		
7.4 Undefined Repairs and Alterations	0		
Total Repairs and Alterations	1	Percent of Total Violations:	0%

8. Summary:

Number of Jurisdictional Reports This Period:	3
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	<u>Boilers</u>	<u>PV's</u>	<u>Total</u>
Total Number of Inspections:	3,450	0	3,450
Total Number of Violations:	396	0	396
Percent of Violations per # of Inspections:	11%	#Num!	11%